

WHAT IS CLAIMED IS:

1. (Currently amended) Transgenic mammalian non-human animal expressing a multimitated form of presenilin 1 and allowing an apoptotic phenomenon to be detected in a renewable peripheral tissue.
2. (original) Transgenic animal according to claim 1, characterized in that it allows an apoptotic phenomenon to be detected in its lymphocytes.
3. (Currently amended) Transgenic ~~Animal~~ animal according to claim 2, characterized in that it allows an apoptotic phenomenon to be detected in its T lymphocytes.
4. (Currently amended) Transgenic animal according to claim 1, characterized in that the mutations in the PS1 gene are ~~the~~ at least three mutations selected from the group consisting of M146L, H163R, A246E, L286V, C410Y, I143T, L235P, P264L, P267S, E317G, G384A, L392V, A426P ~~and/or~~ and P436S.
5. (original) Animal according to claim 4, characterized in that the mutations are M146L, H163R, A246E, L286V, C410Y, combined with each other.
6. (Previously presented) A method for detecting compounds intended for the treatment of neurodegenerative diseases, comprising exposing said compounds to the animal of any one of claims 1 to 5.
7. (Previously presented) Cell extracted from the animal of any one of claims 1 to 5.
8. (Previously presented) A method for detecting compounds intended for the treatment of neurodegenerative diseases comprising exposing said compounds to said cell of any one of claims 1 to 5.